

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James Norman Barshinger et al.

Group Art Unit: 2856

Serial No.: 10/686,756

Examiner:

Filed: October 16, 2003

For TWO DIMENSIONAL PHASED ARRAYS FOR  
VOLUMETRIC ULTRASONIC INSPECTIONSUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

- ☐ 1 **Pursuant to 37 CFR 1.97(b)**  
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☒ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**  
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**  
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**  
[On or before issue fee payment] *\$180.00*

ATTN: MAILSTOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
ALEXANDRIA, VA 22313-1450

Sir:

The following are submitted in the above identified application in compliance with 37 CFR 1.97 & 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

Date of Deposit

Type or Print Name

Signature

This paper is submitted in accordance with:

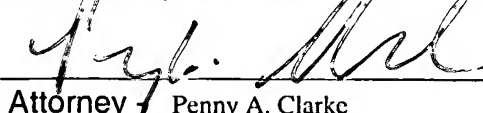
- ☐ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☒ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☒ 8 The required Certification made in item 11 below; or
- ☐ 9 The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR §1.97(d): [On or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☒ 11 Certification
- ☒ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 07-0868. An original and two (2) copies of this document are enclosed.

2-10-05

Date

General Electric Company  
GEGR Patent Docket Rm. Bldg. K-1 Rm. 4A59  
One Research Circle  
Niskayuna, New York 12309  
Customer Number: 006147

Respectfully submitted,

  
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FORM PTO-1449  
(REV. 7-80)  
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

132226-1

SERIAL NO.

10/686,756

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--  
LIST OF ITEMS

(Use several sheets if necessary)

Applicant

James Norman Barshinger et al.

Filing Date

October 16, 2003

Group

2856

FEB 13 2005

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 5 3 0 5 7 5 6	04/26/94	Entrekin et al.			
	AB 6 0 8 9 0 9 6	07/18/00	Alexandru			
	AC 6 4 6 4 6 3 8	10/15/02	Adams et al.			
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	AL 0 6 8 9 1 8 7	12/27/95	EP				
	AM						
	AN						
	AO						
	AP						

## OTHER INFORMATION (Including Author, Title, Date, Pertinent pages, Etc.)

AR	S. W. Smith et al., "HIGH-SPEED ULTRASOUND VOLUMETRIC IMAGING SYSTEM-PART I: TRANSDUCER DESIGN AND BEAM STEERING," IEEE TRANSACTIONS ON ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL, VOL.38, NO.2, MARCH 1, 1999, PGS.
AS	D. H. Turnbull et al., "BEAM STEERING WITH PULSED TWO-DIMENSIONAL TRANSDUCER ARRAYS," IEEE TRANSACTIONS ON ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL, VOL.38, NO.4, JULY 1, 1999, PAGES 320-333.
AT	EP SEARCH REPORT, EP 04 25 6351, JANUARY 26, 2005, E. UTTENTHALER.

EXAMINER

DATE CONSIDERED